

Converting Colors

XYZ(17.6617, 18.5924, 53.4374)

Have a look what the booklet for
XYZ(17.6617, 18.5924, 53.4374)
contains.

XYZ(17.7820, 18.7417, 53.7192)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.7820, 18.7417,
53.7192)**

Conversions

Conversions Part 1

Format	Color
Hex	277CC2
RGB	39, 124, 194
RGB Percent	15%, 49%, 76%
CMY	0.8470, 0.5137, 0.2392
CMYK	0.80, 0.36, 0.00, 0.24
HSL	207°, 67%, 46%
HSV	207°, 80%, 76%
XYZ	17.7820, 18.7417, 53.7192
YIQ	106.5650, -73.1300, 3.7500

Conversions

Conversions Part 2

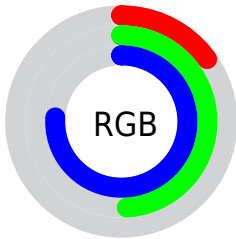
Format	Color
R_YB	39, 94, 194
Decimal	2587842
CIE _{Lab}	50.38, -0.17, -43.58
CIE _{LCh}	50, 43.581, 269.779
Yxy	18.7417, 0.1970, 0.2077
Android (android.graphics.Color)	4280777922 (0xFF277CC2)
YUV	106.5650, 43.1055, -59.2545
Hunter-Lab	43.2917, -2.4418, -43.2668

Details

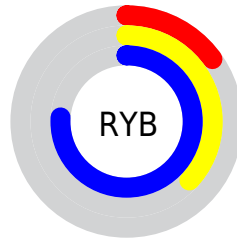
The XYZ color **17.7820, 18.7417, 53.7192** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **28.0849, 22.5563, 4.7943**, and the grayscale version is **13.7557, 14.4721, 15.7601**.

A 20% lighter version of the original color is **39.1223, 41.2038, 97.1580**, and **7.3181, 7.0623, 25.7884** is the 20% darker color. If you saturate the color by 10%, you get **16.1764, 16.3559, 53.3437**, and if you desaturate by 10%, it is **19.8620, 21.5174, 54.1457**.

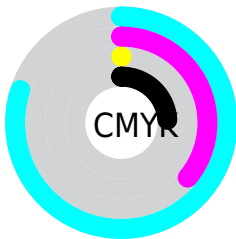
Distribution



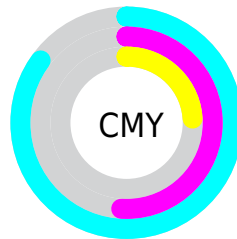
- Red (15%)
- Green (49%)
- Blue (76%)



- Red (15%)
- Yellow (37%)
- Blue (76%)



- Cyan (80%)
- Magenta (36%)
- Yellow (0%)
- Black (24%)



- Cyan (85%)
- Magenta (51%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7820, 18.7417, 53.7192 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 17.7820, 18.7417, 53.7192 by changing the saturation by 10% instead.

■ 17.7820, 18.7417,
53.7192

■ 17.7820, 18.7417,
53.7192

232.7088,
245.0191, 418.1826

■ 10.8923, 11.4838,
37.9856

■ 39.1985, 41.2972,
97.1141

■ 6.0612, 6.3932,
25.6697

■ 54.4561, 57.3635,
125.6124

■ 2.9234, 3.0856,
16.3532

■ 73.2336, 77.1348,
159.2027

■ 1.1134, 1.1766,
9.6174

■ 95.8965, 100.9954,
198.3035

■ 0.0363, 0.0425,
5.0437

■ 122.8101,
129.3298, 243.3333

■ 0.0000, 0.0000,
2.2138

154.3398,

■ 0.0000, 0.0000,

162.5222, 294.7108

0.6823

190.8509,
200.9572, 352.8544

■ 0.0000, 0.0000,
0.0000

■ 17.7820, 18.7417,
53.7192

■ 17.7820, 18.7417,
53.7192

■ 16.1764, 16.3559,
53.3437

■ 19.8620, 21.5174,
54.1457

■ 14.9437, 14.3031,
53.0125

■ 22.4669, 24.7120,
54.6251

■ 14.9310, 14.2817,
53.0090

■ 25.6426, 28.3528,
55.1604

■ 29.4288, 32.4636,
55.7544

■ 33.8613, 37.0663,
56.4091

■ 38.9731, 42.1808,
57.1269

■ 44.7947, 47.8261,
57.9097

■ 51.3546, 54.0199,
58.7595

■ 58.6799, 60.7790,
59.6781

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



14.0226, 18.7417, 47.9029



17.7820, 18.7417, 53.7192



22.1693, 18.7417, 48.0621

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



17.7820, 18.7417, 53.7192



25.8530, 18.7417, 10.8807



11.6653, 18.7417, 10.7784

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



17.7820, 18.7417, 53.7192



28.0849, 22.5563, 4.7943

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



14.0691, 18.7417, 6.1241



17.7820, 18.7417, 53.7192



22.2324, 18.7417, 6.1646

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



17.7820, 18.7417, 53.7192



27.2553, 18.7417, 20.4967



17.8449, 18.7417, 4.8454



10.8509, 18.7417, 20.3166

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



17.7820, 18.7417, 53.7192



24.7791, 18.7417, 39.4636



17.8449, 18.7417, 4.8454



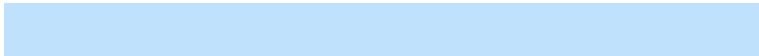
12.2933, 18.7417, 8.7517

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



17.7827, 18.7423, 53.7197



66.2937, 72.1419, 102.9005



22.8765, 40.1144, 20.9370



13.7938, 15.0708, 22.4319



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.7827, 18.7423, 53.7197



27.5897, 26.7644, 96.1817



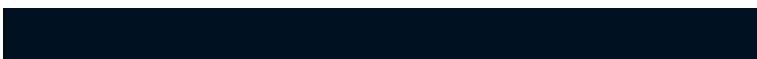
11.5820, 6.3409, 51.6528



9.9758, 10.6429, 12.8133



9.8995, 9.5555, 34.8793



0.4958, 0.5490, 1.5297

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



26.6125, 14.3767, 20.4415



45.3749, 22.9817, 28.0276



40.2267, 46.8398, 8.8416



10.2991, 10.1682, 11.6655



16.3928, 8.2469, 9.9804



0.7427, 0.3701, 0.6122

Previews

White Background



This preview shows how the XYZ color 17.7820, 18.7417, 53.7192 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 17.7820, 18.7417, 53.7192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

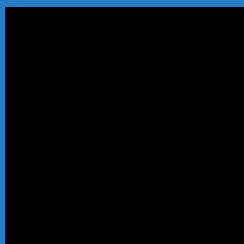
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

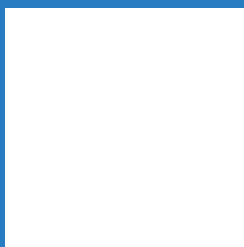
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.7820, 18.7417, 53.7192

Background



This preview shows how black text looks on a background with the XYZ color 17.7820, 18.7417, 53.7192.



This preview shows how white text looks on a background with the XYZ color 17.7820, 18.7417,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

17.7820, 18.7417, 53.7192

Protanopia

19.9526, 18.6806, 50.1310

Deuteranopia

19.2393, 18.7508, 54.2350



Tritanopia

13.3455, 18.7582, 28.9039

Trichromacy



Original Color

17.7820, 18.7417, 53.7192

Protanomaly

18.7584, 18.5671, 51.3103

Deuteranomaly

18.5512, 18.5755, 54.2374

Tritanomaly

14.6853, 18.6673, 37.0116

Monochromacy



Original Color

17.7820, 18.7417, 53.7192

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.0450, 15.4682, 26.6715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7820, 18.7417, 53.7192 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(39, 124, 194)` looks like.

```
.text, #text, p{  
    color:rgb(39, 124, 194)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(39, 124, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 124, 194) }
```

Border

The CSS property to change the border of an element to XYZ 17.7820, 18.7417, 53.7192 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(39, 124, 194) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(39, 124, 194) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(39, 124, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 124, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 124, 194);  
box-shadow:4px 4px 4px 4px rgb(39, 124,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7820, 18.7417, 53.7192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 124, 194) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(39, 124,  
194) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor